ECS/EMD Configuration Change Request

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1. Originator Robert Cole	2. Log Date: **11/04/03**	3. CCR #: **03-0739**	4. Rev: —	5. Tel: 301.925.0799	6. Rm #: 3109F	7. Org. COTS HW

8. CCR Title: Install Sanergy Version 3.2.1.49 in PVC

9. Originator Signature/Date **Rob Cole /s/ 11/04/03**	10. Class **II**	11. Type: **CCR**	12. Need Date:

13. CCR Sponsor Signature/Date **Carolyn Whitaker /s/ 11/04/03**	14. Category of Change: Update ECS/EMD Baseline Doc	15. Priority: (If "Emergency" fill in Block 27). Routine

16. Documentation/Drawings Impacted *(Review and submit checklist):* 920-TDP-002, 910-TDA-003, 910-TDA-023	17. Schedule Impact:	18. CI(s) Affected:

19. Release Affected by this Change: N/A	20. Date due to Customer:	21. Estimated Cost: None - Under 100K

22. Source Reference: ☒NCR (attach)   ☐Action Item   ☐Tech Ref.   ☐GSFC   ☐Other:
ECSed38006

23. Problem: (use additional Sheets if necessary)
The current baseline versions of Sanergy (3.2.1.6 for IRIX and 3.2.1.8 for Solaris) have bugs associated with fusing on some hosts, log file permissions, the ability to follow symlinks. and code stability.It is believed that these problems have been rectified in version 3.2.1.49. This version of Sanergy needs to be installed and tested in the PVC as no other test site is currently available for SAN testing.

24. Proposed Solution: (use additional sheets if necessary)
See next sheet.

cksum output:
1830668843   4476099 sanergy_sol5.8_sparc_cd3.2.1.49PCH.tar.Z
3629786206   3399680 sanergy_irix_cd3.2.1.49PCH.tar

25. Alternate Solution: (use additional sheets if necessary)
none

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
The planned PSR for Sanergy 3.2.1.49 cannot proceed.

27. Justification for Emergency (If Block 15 is "Emergency"):

28. Site(s) Affected: ☐EDF ☒PVC ☐VATC ☐EDC ☐ GSFC ☐LaRC ☐NSIDC ☐SMC ☐AK ☐JPL
☐EOC ☐ IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. SCDV CCB Chair (Sign/Date): **A. Abtahi /s/ 11/6/03 for Byron Peters**	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS

33. EDF CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS

34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

CM01JA00 Revised 10/2/03   ECS/EDF/SCDV

ADDITIONAL SHEET

CCR #:   03-0739   Rev:— Originator:

Telephone: Office:

Title of Change:

Install Sanergy 3.2.1.49 on p0sas01, p2dps01, p0acg05, p0drg01, and p0drg04 in the PVC.

1. Copy the appropriate file (sanergy_irix_cd3.2.1.49PCH.tar for Irixi hosts, sanergy_sol5.8_sparc_cd3.2.1.49PCH.tar.Z for solaris hosts) to a working directory and uncompress/untar as needed.

Note: These files are available in /home/rcole in the PVC.

2. Copy the following files to a temporary directory in case the installation process overwrites them:

<Sanergy dir>/SANergyconfig.txt
<Sanergy dir>/SANergykey.txt

Note <Sanergy dir> = /opt/SANergy (Solaris) or /usr/SANergy (Irix)

3. Install Sanergy 3.2.1.49 by executing the script named "install" as root (script part of tar file mentioned in step 1). Enter "no" at the prompt asking about language support.

4. Restore files from step 2 if they have been overwritten during the installtion.

5. Execute the following commands as root:

<Sanergy dir>/SANergycshsetup   (sets necessary environment variables)
<Sanergy dir>SANergyconfig   (invokes admin tool)

The purpose of executing SANergyconfig in this step is to agree to the license terms. The first time SANergyconfig is executed after installation, the user will be prompted to agree with the licensing terms. Scroll through the license text and follow the directions to indicate agreement with the license terms.

6. Exit SANergyconfig by entering the command "exit".

7. Reboot the machine.

8. After reboot, the /datapool filesystem should be fused. Verify this by executing the following commands as root:

<Sanergy dir>/SANergycshsetup
<Sanergy dir>SANergyconfig

At the SANergyconfig prompt, enter the command "fused" to verify that the /datapool mount point is fused.

Note: It is not necessary to check for fusing on p0sas01 as the NFS server is not fused.

Note: If the fused command returns "no fused volumes found," the fusing operation has failed. This is likely caused by a hardware error that prevents sanergy from seeing all of the necessary disk devices. The expected number of disk devices is 10 on LUNs numbered 0 through 9. The even LUNs should be on one controller path and the odds on another. Use hinv on Irix and format on solaris to check for this configuration.